

PROGRESS REPORT NO. 1, JULY 1, 1972

ERTS A PROPOSAL NAS 5-21747

N7228311
E72-100.03

Title: "To Map the Distribution of Glaciofluvial Deposits and Associated
Glacial Landforms"; GSFC ID ST354

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Problems: Due to technical difficulties, the ERTS A satellite has not been launched to date. One U-2 aircraft mission was flown April 27 to acquire simulated satellite imagery. Imagery obtained in the southern and western portions of the state during this flight has not been delivered to date.

A second U-2 mission scheduled May 25 was aborted because of unsatisfactory weather conditions.

Accomplishments: A Bausch and Lomb "Zoom 95" stereoscope and lenses were ordered. This equipment has not been delivered to date. Arrangements were made with U-2 pilots, via telephone to Wallops Air Base in Maryland and NASA Ames TR5C, Moffett Field, California, for desired flight corridors. Imagery from future U-2 missions along these corridors will include portions of all six test site areas of differing morphology and ground cover, for multidisciplinary uses. Arrangements were also made for local small aircraft underflights to coincide with U-2 preflight missions. A mission has been tentatively scheduled for the first week in July, just prior to the ERTS vehicle launching. Area field geologists were briefed on the gathering of ground truth during U-2 flights.

Results and Applications: None to date.

Planned for next reporting period: Imagery received from U-2 preflights and ERTS A orbits will be analyzed and utilized according to the objectives set forth in the proposal.

Item 3, 'e' through 'k': Not applicable to this report.

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